## INTERNATIONAL SEARCH REPORT

International application No.

PCT/US03/39889

A. CLASSIFICATION OF SUBJECT MATTER IPC(7) : H04Q 7/24				
US CL : 370/338				
According to International Patent Classification (IPC) or to both national classification and IPC				
B. FIELDS SEARCHED				
Minimum documentation searched (classification system followed by classification symbols) U.S.: 370/338, 315-326; 455/9-17, 20, 23				
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched				
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) NPL, EAST				
C. DOCUMENTS CONSIDERED TO BE RELEVANT				
Category * Citation of d	Citation of document, with indication, where appropriate, of the relevant passages			Relevant to claim No.
A US 5,875,179 A	US 5,875,179 A (TIKALSKY) 23 February 1999 (23.02.1999), columns 4-10.			1-49
A US 6,005,884 A	US 6,005,884 A (COOK et al) 21 December 1999 (21.12.1999). See entire document.			1-49
•	US 5,903,553 A (SAKAMOTO et al) 11 May 1999 (11.05.1999), figures 1-4, columns 4-12.			1-49
	ſ			1-49
Further documents are lis	ted in the continuation of Box C.		See patent family annex.	
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Date of the actual completion of the international search		Date of mailing of the international search report		
19 April 2004 (19.04.2004)		19 MAY 2004		
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